

CATER-ICE

CATER-ICE COMMERCIAL ICE MAKERS

INSTALLATION, USE & SERVICE MANUAL

*Please read this manual carefully prior to use
& keep it in a convenient place for future reference.*



APPLIES TO CK2020, CK2025, CK2050 & CK2080

Thank you for purchasing our Cater-Ice Automatic Bullet Ice Maker!
To ensure the proper operation of this ice machine, please read the
instruction manual carefully before use and please keep near the product!

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CATER-KWIK

Please take a few moments to carefully read through this manual. Correct maintenance and operation of this machine will provide the best possible performance.

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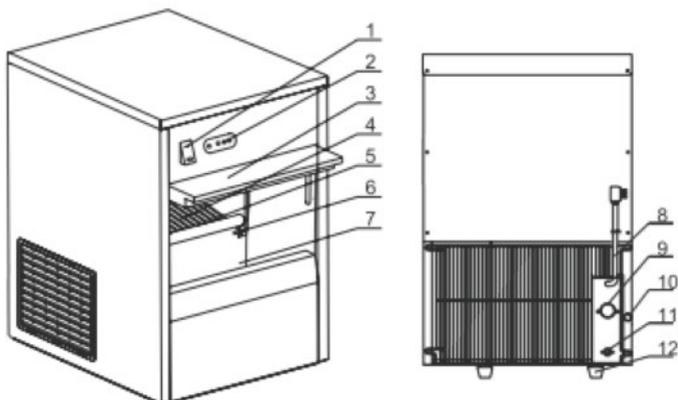
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Safety Tips

- Position on a flat, stable surface.
- A qualified technician should carry out the installation and any repairs if required. Do not remove any components or service panels on this product.
- **DO NOT** immerse in water or use steam/jet washers to clean the ice machine.
- **DO NOT** cover the ice machine when it is operating.
- **DO NOT** place the ice machine near flammable materials and ensure there is a minimum of 50mm for ventilation.
- **DO NOT** lay any cables over carpets or heat insulations. Do not cover the cable(s) and keep the cable away from operating range and water.
- Always carry, store and handle the ice machine in a vertical position.
- Never tilt the ice machine more than 45° from the vertical position.
- **ONLY** use drinking or potable water when making the ice cubes.
- Ensure the water pressure of the connected water supply is between 1kg/cm² to 8kg/cm² (14.7-117psi).
- Usage of the ice machine is only suitable for indoor use.
- Keep all packaging away from children. Dispose of packaging in accordance to the regulations of local authorities.
- If the power cable is damaged, it must be replaced by a qualified technician in order to prevent a risk to health and safety.
- A separate three-pin socket should be used, and it must be grounded.
- The rated capacity of the wire should be over 6A (wire section area, 0.75), but for the CK2080, it should be over 10A (wire section area, over 1.0mm).

Structure

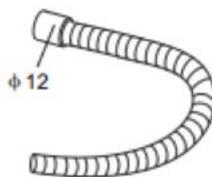


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|--------------------|----------------------------|-----------------------|
| 1. Switch | 2. Display Panel | 3. Slide Door |
| 4. Shelf | 5. Water Cabinet | 6. Ice Full Sensor |
| 7. Ice Storage | 8. Power Cord | 9. Water Inlet Sensor |
| 10. Drainage Screw | 11. Water Outlet Connector | 12. Foot |

Accessories



Water Inlet Tube



Water Drainage Pipe



Sealing Washer



Ice Scoop

Control Panel



Installation

Every effort has been made to remove the sharp edges of the ice machine, however, we recommend that care should be taken when handling the machine.

1. Remove the ice machine from the packaging and remove the protective film from all surfaces.
2. Remove the ice scoop, water inlet tube, water drainage pipe and sealing washers from the ice storage bin.
3. Place the device on a stable and safe surface which is suitable to support the weight of the ice machine.
4. Choose a surface where the ice machine is not exposed to direct sunlight, or close to a direct source of heat such as a cooker, oven or radiator.
5. When positioning the ice machine, maintain a minimum of 50mm between the ice machine and walls or other objects for ventilation. Increase this distance if the obstacle is a heat source.
6. Position the ice machine in a way so that the plug is always accessible.
7. Set up the ice machine near a water supply connection.

8. If necessary, adjust the screws on the legs of the ice machine to make it level. The efficiency of the ice machine can be reduced if it is not level.
9. Connect one end of the water drainage pipe to the water outlet connector on the rear of the ice machine.
10. Attach the other end of the pipe to a plumbed-in waste pipe or container suitable for collecting wastewater.
11. Connect one end of the water inlet tube to the 3/4" screw type connector to the water supply to get drinkable tap water. Make sure to put sealing washers in both ends of the water inlet tube before connecting.
12. Connect the other end of the inlet tube to the water inlet connector.

Operation

Note: If using the ice machine for the first time (or after a period of inactivity) please discard the first two batches of ice. This cleans the internal systems of the ice machine.

1. Connect the device to a grounded single power socket.
2. Press the Power switch to the ON position [I]. The Switch light will illuminate and the ice machine will begin to work. The first 5 minutes is used for the self-inspection of the ice machine. Then it will begin the ice making process.
3. As soon as the ice storage cabinet is full, the "ICE FULL" indicator on the display panel will light on and the ice machine will stop producing ice automatically. Production will resume once the ice has been removed from the cabinet.

4. If the water supply is insufficient, the “WATER LOW” indicator will light on and the ice machine will stop operation automatically.
5. If any error or failure occurs, the “FAULT” indicator will light on and the ice production will stop.
6. Switch off the ice machine and disconnect it from the power supply, by removing the power plug, when it is not in use.
7. Do not switch on the ice machine immediately after it stops automatically if caused by insufficient water supply, ice storage cabinet too full or current interruption. Wait at least 3-5 minutes before restarting the ice machine to avoid damages of the compressor.
NOTE: If the device is not used for a long duration, drain the water from the water tank via the screw on the drain at the back of the ice machine. Some models do not have a screw on the drain. Wipe the water tank dry using a dry cloth.

Cleaning and Maintenance

- Always switch off and disconnect the power supply before cleaning the ice machine.
- Warm, soapy water is recommended for cleaning as some cleaning agents may leave harmful residues.
DO NOT wash the underside of the unit, instead wipe the exterior with a damp cloth.
- Regularly check the connectors of the water inlet and outlet tubes and drain any surplus water that may leak.

- If the ice machine will be unused for a long duration, switch off the power supply and wipe the inner liner of the ice storage container with a clean dry cloth.
- When handling the plug for the ice machine, make sure it is held by hand and the wires are not dragged heavily.

Troubleshooting

Note: If any problems occur, please wait until the ice machine stops automatically.

The following list can be used to identify common problems and causes to the ice machine and contains the suggested solutions to help resolve the issue. Please note that only qualified technician/engineer can open and check or repair the machine!

- The 'RUN' light does not come on when the machine is immediately switched on, as it will light when the compressor is running.
- The ice machines have a self-checking function; every fault will be displayed on the display panel and the appropriate lights will flash.

<i>Problem</i>	<i>Possible Cause</i>	<i>Suggested Solution</i>
• Machine isn't working (No lights are on).	• Power supply has been interrupted. • Power supply is incorrect.	• Check the power supply. • Cut off the power supply.
• Machine isn't working (Only switch light is turned on).	• Power supply is incorrect. • Damaged PCB Board.	• Cut off the power supply. • Replace the PCB Board.
• Machine isn't working. (Ice full light is flashing).	• The storage bin is full of ice. • The Ambient temperature is below 6°C.	• Remove ice cubes from the storage bin. • Ensure the ambient temperature is more than 7°C, then restart the machine.

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<ul style="list-style-type: none"> Machine isn't working (ice full and fault light flash together). 	<ul style="list-style-type: none"> The Ice full sensor is damaged or is not connected. 	<ul style="list-style-type: none"> Replace or re-connect the sensor.
<ul style="list-style-type: none"> Machine isn't working (Fault light is flashing). 	<ul style="list-style-type: none"> Condenser sensor is damaged or is not connected. 	<ul style="list-style-type: none"> Replace or re-connect the sensor.
<ul style="list-style-type: none"> Water low and ice full lights flash together or the fault light flashes rapidly. 	<ul style="list-style-type: none"> The refrigerant has leaked. The compressor is damaged, or the ambient temperature is higher than 43°C. The Ambient temperature is below 6°C. 	<ul style="list-style-type: none"> Check the refrigerant and recharge if necessary. Ensure the ambient temperature is more than 7°C, then restart the machine.
<ul style="list-style-type: none"> Fault, water low and ice full lights flash slowly. 	<ul style="list-style-type: none"> The ice sensor is not in the correct position or is damaged. The paddle motor is damaged. 	<ul style="list-style-type: none"> Adjust the position of the ice sensor or replace it. Replace the paddle motor.
<ul style="list-style-type: none"> Only the fault light flashes rapidly. 	<ul style="list-style-type: none"> Lifting ice motor damaged. Micro-switches are not functioning properly. Water tray/reservoir is damaged. Water tray/reservoir is blocked by ice cubes. 	<ul style="list-style-type: none"> Replace the lifting Ice motor Replace or adjust position again Replace the water tray/reservoir Remove the ice cubes from the water tray/reservoir
<ul style="list-style-type: none"> Machine stops after 2 minutes or more. (and the water low light flashes) 	<ul style="list-style-type: none"> No water in the water supply source. Water inlet valve is damaged or is not correctly connected. Water level sensor is not correctly positioned 	<ul style="list-style-type: none"> Make sure the water supply contains enough water to fill the machine. Check the connection of the valve or replace it.
<ul style="list-style-type: none"> Water low light always comes on. 	<ul style="list-style-type: none"> The machine has not been supplied water for over 24 hours 	<ul style="list-style-type: none"> If there is no issue with the water supply, turn off the machine and restart it.
<ul style="list-style-type: none"> Ice cubes stick in the water tray/reservoir. 	<ul style="list-style-type: none"> The electric valve is not functioning properly. Some ice remains in the water tray/reservoir. 	<ul style="list-style-type: none"> Check the valve electrical connecting or replace it. Stop the machine and move it.
<ul style="list-style-type: none"> No ice is being produced and the fault light is not shown. 	<ul style="list-style-type: none"> The electric valve is leaking. The compressor is not working correctly. 	<ul style="list-style-type: none"> Replace the valve and/or the compressor.
<ul style="list-style-type: none"> Ice cubes are not equal in size. 	<ul style="list-style-type: none"> Refrigerant is leaking. 	<ul style="list-style-type: none"> Recharge the refrigerant.

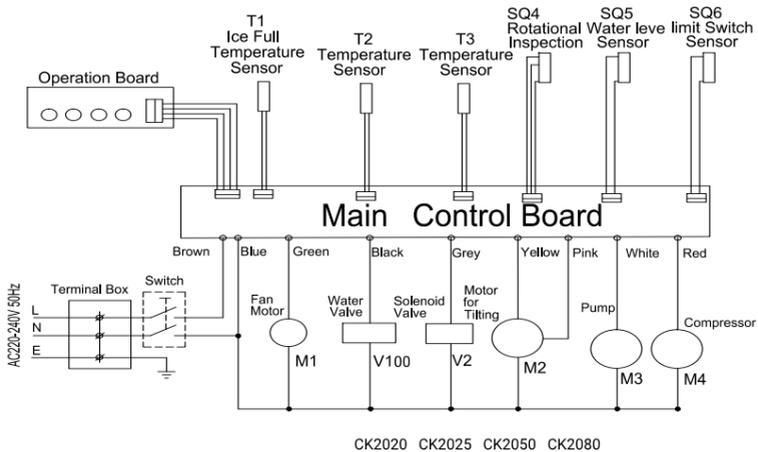
Technical Parameters

(tested under the conditions of ambient temperature 15°C and water temperature 10°C)

Model	Production (kg/24h)	Power Input (W)	Ice Storage Capacity (kg)	Dimensions (mm)
CK2020	20	220	5	W330 x D503 x H607
CK2025	25	240	7	W398 x D542 x H682
CK2050	50	380	13	W548 x D610 x H823
CK2080	80	560	13	W548 x D610 x H823

The specifications are subject to be changed without notice. Please check the data plate.

Circuit Diagram





The symbol  on the product or on its packaging indicates that this product may not be treated as household waste. Instead, it will need to be handed over to an acceptable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health which would otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local town/city office, household waste disposal service or the business you purchased the product from.